

## APPENDIX E

### Interface Model

## APPENDIX E: INTERFACE MODEL

### INTRODUCTION & OBJECTIVES

The State conducts business using numerous independent, stand-alone administrative systems. Among these systems are the Statewide Accounting and Reporting System (STARS) for accounting, the State Employee Information System (SEIS) for payroll and personnel administration and the Tennessee Online Purchasing System (TOPS) for procurement functions. Most of the core systems are linked via automated interfaces that are maintained by State staff.

The objective of the Interface Model is to identify the interfacing requirements between (1) the new ERP system (as envisioned), (2) the statewide legacy business systems that will continue to operate and must be interfaced to the new system, and (3) the systems of external entities such as the Department of Transportation's interface to the Federal Highway Administration.

The interfaces were identified from two independent project tasks. In the first task, the State's core administrative systems were identified as part of producing the Request for Information (RFI). Descriptions of these administrative systems are contained in the next section, "CURRENT SYSTEMS". In the second task, agencies were asked to identify their interfaces as a part of completing the "system survey". The system survey was used for not only for the Interface Model but also to collect data for the cost benefit study. Appendix A provides a comprehensive inventory of the State's interfaces as identified by the state agencies. The following information is captured for each interface: Interface Number, Agency, Central System, Inbound/Outbound Indicator, Applications Internal Name, Interface Description, Data Sent, Triggering Event, Frequency, Technology and Batch Type.

### SUMMARY OF FINDINGS

As shown on the "As Is" ENVIRONMENT diagram, the State currently uses eighteen (18) major administrative systems to manage the State's business functions. If a new ERP system is implemented, it is likely that the number of central administrative systems would be reduced to five (5). The State would have eliminated thirteen (13) administrative systems and the interfaces associated with these systems.

### "AS IS" ENVIRONMENT

This section provides a brief description of the State's current administrative systems.

#### Accounting Reconciliation Package

The Department of the Treasury reconciles disbursements, such as state warrants or payroll payments (most are ACH), using the Accounting Reconciliation Package (ARP). All issued items are presented to the Treasury and posted to the outstanding items file; the paid items are received electronically from the Nashville Federal Reserve Bank Office and matched to the outstanding items daily. The following day the paid item images are made available to Treasury via CD-ROM. The ARP is maintained by the Department of the Treasury.

### **Applicant/Certification System**

The Applicant/Certification System maintains records of all applications for state employment and produces civil service registers online. Personnel officers in all departments within the State of Tennessee's Executive Branch use the system. It is maintained by the Department of Personnel.

### **Budget Request and Analysis Systems**

The Budget Request (BR) and Budget Analysis (BA) systems are the core budgetary systems maintained by the Division of Budget within F&A. BR is an Access-based System that is used in preparation of the individual agency budget requests. The Division of Budget uses BA in the analysis of all budgets.

### **Computerized Employment Testing (Testing)**

The Computerized Employment Testing System is maintained by the Department of Personnel. The system provides functionality to support the registration and computerized testing of applicants for state jobs.

### **Consolidated Retirement Information System (CRIS)**

CRIS is the primary system used by the State Treasurer to administer the State's retirement plans. Functionality provided by the system includes:

- ◆ Maintenance of retiree and beneficiary statistical, benefit, insurance enrollment and payroll information;
- ◆ Benefit estimates for employees nearing retirement;
- ◆ Main, Supplemental, Reissue, and Void payroll processes;
- ◆ Automated interface to the Microfilm Document Control System (MODOC), TIS and Tennessee Retirement Accounting Control System (TRACS) systems; and
- ◆ Mass change processes for insurance, withholding, cost-of-living, and other deduction updates.

### **Data Capture**

The Data Capture System (DCS) is a time-capture system designed to capture and edit Time and Attendance (TAA) and Labor Distribution (LD) information for employees of the State of Tennessee. While Finance and Administration Accounts controls the DCS system, the business rules associated with time and attendance are controlled by the Department of Personnel. DCS eliminates duplicate data entry of time for payroll and labor distribution into separate systems. It satisfies the need for a single point of data entry during the pay period. This single point of entry of time maintains the integrity of the data processed and allows the SEIS (Shared Employee Information System) Payroll and STARS Labor Distribution Subsystems to remain in balance because they both receive information from a single source. The DCS Approval feature provides a control mechanism through which timesheet monitoring and review can be performed, and requires approval by a properly authorized approver in order for an employee to be paid.

### **Deferred Compensation**

The Deferred Compensation System captures and maintains a record of all contributions made by state employees to the 401(k) plan and the 457 plan. An outside contractor administers the Deferred Compensation plans. The Deferred Compensation System

receives transaction data from the State's payroll system (SEIS), accumulates the payroll data on tape, and provides reports on both a pay-period and year-to-date basis. The Deferred Compensation System is maintained by the Treasury Department.

### **Employment Application Imaging System**

The Employment Application Imaging System is maintained by the Department of Personnel. It provides employment application processing. The system stores the image of every job application, separated employer folders, and Position Classification Questionnaires (which are used to define job responsibilities for state positions). The system utilizes workflow software to route application images throughout the Department for processing and allows remote access to agencies to view and print applications for employment through a FileNET browser.

### **Flexible Benefits (FLEX)**

The FLEX system is maintained by the Treasury Department to support the administration of flexible benefits. Flexible benefits allow employees to set aside pre-tax dollars for insurance payments, out-of-pocket medical expenses, and dependent care expenses, thus saving employees federal income taxes and social security taxes. FLEX provides the following functionality:

- ◆ Posts contributions to participant accounts;
- ◆ Issues payments through STARS system (see description below);
- ◆ Provides the ability to maintain multiple plan years;
- ◆ Maintains enrollment data and plan year elections;
- ◆ Interfaces with the State's payroll system (SEIS); and
- ◆ Records benefit claims.

### **Multitrak**

Multitrak is a mainframe system that tracks every Request for Service (RFS) and records labor and other costs incurred while processing those requests. The system collects leave and attendance information for OIR employees that feed into the Data Capture system. Labor Hours attributable per Request for Service are billed back to the agencies and interfaced with the Billing System. Multitrak generates billing information for the Information Technology Professional Services Contract (IT Pro). Multitrak reports are used as a management tool to track the status of a Request for Service.

### **State Employee Information System (SEIS)**

SEIS is composed of two parts, payroll and personnel. Finance and Administration Accounts maintains the payroll portion and the Department of Personnel maintains the personnel portion of SEIS. The system is used to administer employee personnel and position records and to collect time and attendance information and generate payroll checks for most state employees. Personnel officers and payroll personnel in all departments within the State of Tennessee's Executive Branch use the system. SEIS provides the following functionality:

- ◆ Authorization of positions and recording of job classifications;
- ◆ Relating position to an individual, when a person is hired;

- ◆ Receipt of time and attendance information from Data Capture System;
- ◆ Collection and maintenance of history for employee payroll data, such as salary, payroll frequency, and payroll deductions (i.e., savings bonds, insurance plan); and
- ◆ Calculation and generation of payroll transactions.

#### **Property of the State of Tennessee System Asset Management System (POST)**

POST is maintained by the Department of General Services. The Property Services Management Division of the department of General Services is responsible for administration of the State's interest in various property, equipment, and supplies. Excluding TDOT, this system is used to track the inventory of Tennessee's personal property. TDOT fixed assets are tracked in DOT STARS and TrackIt, a system maintained by Finance and Administration.

#### **Statewide Accounting and Reporting System (STARS)**

STARS functions as the State's financial system of record and is maintained by the F&A Division of Accounts. It supports appropriations, allotments, encumbrances, contract, requisitions, accounts receivable/revenue accounting, accounts payable, federal grants, capital projects and general ledger and subsidiary ledger balances. In addition to transaction processing, the following business functions are supported: cash management, financial reporting, pre-audit capabilities, warrant consolidation by vendor, and transaction history. Data enters STARS through one of two ways: (1) the on-line Financial Data Entry Subsystem or (2) in the case of automated system interface data, through the batch processing input phase of the Input/edit/Update (IEU) Subsystem.

#### **Tennessee Employment Application Monitoring System (TEAMS)**

TEAMS is maintained by the Department of Personnel. It provides information about state jobs and allows applicants to apply for certain jobs and to register to take an on-site computer administered test.

#### **Tennessee Insurance System (TIS)**

The F&A Division of Insurance Administration (DIA) serves State, Higher Education, Local Education, Local Government employees, retirees, dependents and COBRA participants by managing their state-sponsored insurance benefits. The primary purpose of TIS is to manage and report timely and accurate information for all programs in a cost efficient manner. Functionality provided includes:

- ◆ Administration of controls and regulations for program eligibility and enrollment;
- ◆ Standardization of operating and reporting requirements for all institutions;
- ◆ Identification of the insurance vendors;
- ◆ Reporting of financial information by individual, group, plan, program, budget (institution), employee, calendar year, and fiscal year;
- ◆ Tracking plan movement of participants;
- ◆ Transmittal of enrollment information to insurance vendor;
- ◆ Processing of accurate headcount for administrative services fee;

- ◆ Calculation and administration of premiums due and paid by participants;
- ◆ Providing insurance officers with current and accurate employee benefit information for response to employee inquiries;
- ◆ Capture and maintenance of dependent data;
- ◆ Maintenance of insurance programs;
- ◆ Control and management of eligibility for state sponsored programs;
- ◆ Providing employees with benefit notifications indicating program status;
- ◆ Control of state funds; and
- ◆ Control of insurance programs' accounting requirements.

Approximately 380,000 individuals receive coverage through the State, Local Education and Local Government Plans.

#### **Tennessee Online Purchasing System (TOPS)**

TOPS is administered by the Department of General Services. Major TOPS functions include:

- ◆ Maintenance and inquiry of basic purchasing information pertaining to installation tables, vendors, commodities, agencies and text;
- ◆ Processing of requisitions, solicitations, purchase orders and contract purchases;
- ◆ Automated interfaces to STARS to validate tables for editing accounting distribution data; and
- ◆ Nightly batch processing interface to STARS to encumber funds for purchases. STARS returns transactions to indicate whether the transactions passed or failed accounting processing. The results from the accounting transactions are posted to the TOPS databases by means of status codes, which allow or prevent orders from being printed.

#### **Tennessee Retirement Accounting Control System (TRACS)**

TRACS is maintained by the Treasury Department. TRACS is used to support the administration of State retirement plans. Major functionality provided includes:

- ◆ Maintenance of TCRS member statistical, retirement (salary, service, and contribution), and beneficiary information;
- ◆ Update of member pay-period retirement information (salary, service, and contributions);
- ◆ Generation of member annual statements;
- ◆ Maintenance of TCRS covered employers' statistical, department/retirement data, and accounting information;
- ◆ Update of employer's accounting information (employee and employer contributions, benefits paid, interest income, and administrative expense, death benefits paid, and salaries);

- ◆ Generation of employer annual statements;
- ◆ Automated interface to the Microfilm Document Control System, CRIS, and STARS; and
- ◆ TRACS General Ledger (GL) acts as a subsidiary ledger to STARS.

### **Training Information System**

The Training Information System is maintained by the Department of Personnel. The system is used to maintain training records for all state employees. Personnel officers in various departments within the State of Tennessee's Executive Branch use the system.

### ***"AS IS" INTERFACE MODEL***

The model on the next page provides a visual representation of the State's current interfacing systems. Please note that external systems, e.g., higher education, federal government, and insurance company systems, are represented in the "EXTERNAL SYSTEMS box.





### ***“TO BE” ENVIRONMENT***

If the State implements an ERP system, a number of the previously mentioned legacy systems will be replaced by functionality provided by the new system. It is envisioned that the following ERP modules would be included in the implementation.

- ◆ Financial Management
  - General Ledger / Budget Control
  - Accounts Payable / Travel
  - Accounts Receivable / Cash Receipts / Cash Management
  - Budget Development (including Performance-Based Budgeting)
  - Cost Accounting / Allocation
  - Project and Grant Accounting
- ◆ Purchasing
- ◆ Inventory
- ◆ Asset Management
- ◆ Payroll
- ◆ Human Resources
  - Employee Self-Service
  - Personnel Administration
  - Position Control
  - Recruiting and Applicant Tracking
  - Training and Employee Development
  - Compensation
  - Timekeeping
  - Employee Leave Accounting
  - Benefits Administration (insurance only)

Additionally, Fleet Management for all state agencies and TDOT’s Materials and Project Management systems may also be included in any implementation if the ERP system can meet the functional requirements associated with each. TDOT currently satisfies its materials and project management requirements with three systems, Construction Management System (CMS), Maintenance Management System (MMS), and Program, Project, Resource Management System (PPRM).

The chart on the next page indicates which legacy systems would likely be replaced by an ERP system. The “✓” symbol indicates that the state system could be replaced by a new ERP system. A “⊗” symbol indicates that the State system would exist and interface with the ERP system.

**State of Tennessee**  
**ERP Automation Assessment Study – Final Report**



| STATE SYSTEM   | REPLACED BY ERP? | COMMENT  |
|--|------------------|--|
| Accounting Reconciliation Package  | ✓                |  |
| Applicant/Certification System   | ✓                |  |
| Budget Request and Analysis Systems                                      | ✓                |  |
| Computerized Employment Testing  | ✓                |  |
| Consolidated Retirement Information System (CRIS)                        | ⊘                | Retirement plan administrative functionality is not included in the scope of a new ERP system. |
| Data Capture   | ✓                |  |
| Deferred Compensation  | ⊘                | Deferred compensation functionality is outside of the scope of a new ERP system.               |
| Employment Application Imaging System                                    | ⊘                | Imaging functionality is outside of the scope of a new ERP system.                             |
| Flexible Benefits (FLEX)   | ✓                |  |
| Multitrak  | ✓                |  |
| State Employee Information System (SEIS)                                 | ✓                |  |
| Property of the State of Tennessee System Asset Management System (POST) | ✓                |  |
| Statewide Accounting and Reporting System (STARS)                        | ✓                |  |
| Tennessee Employment Application Monitoring System (TEAMS)               | ✓                |  |

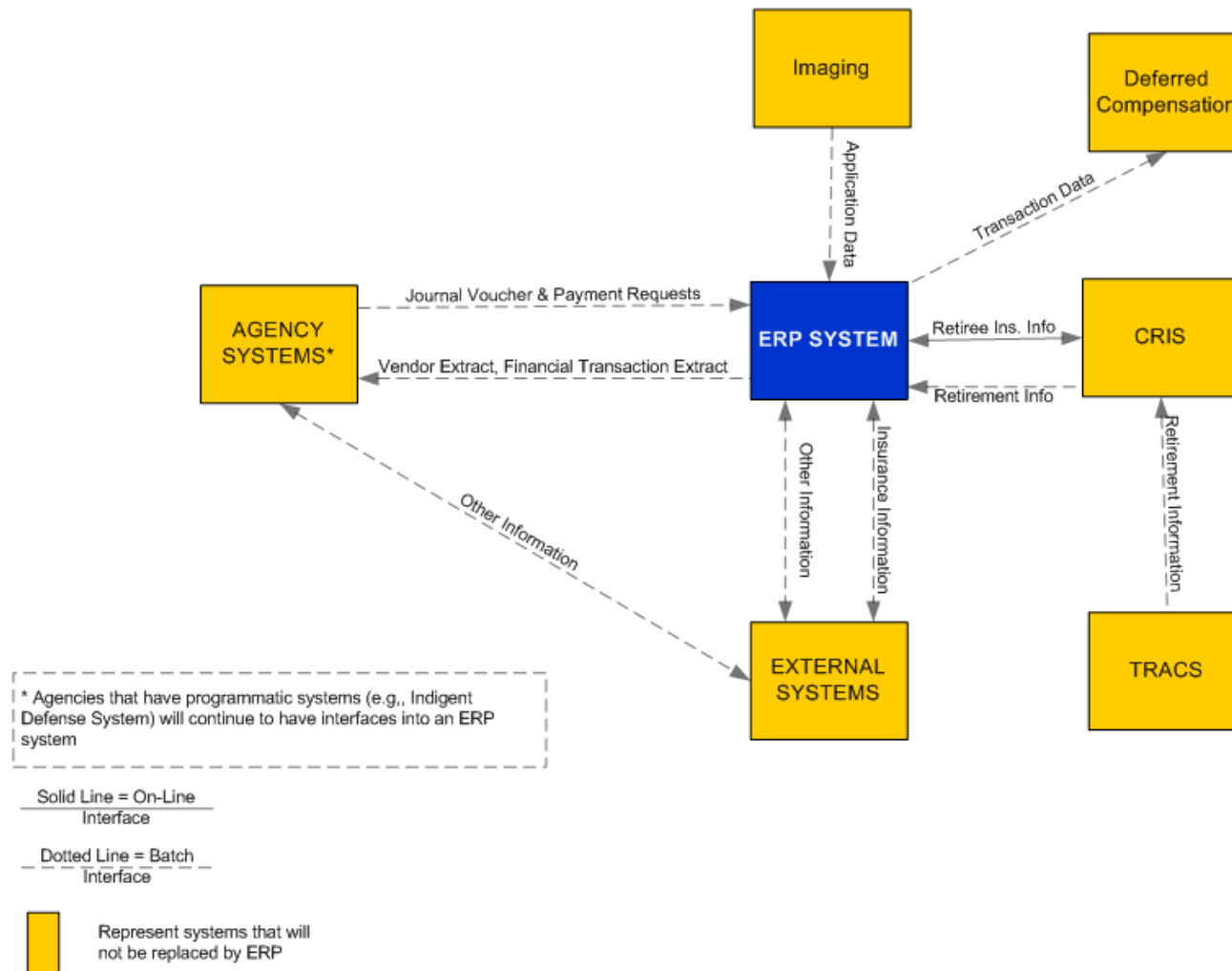
| STATE SYSTEM   | REPLACED BY ERP? | COMMENT   |
|--|------------------|---|
| Tennessee Insurance System (TIS)                       | ✓                | This system is used to manage state, higher education, local education and local government insurance benefits. The impact of incorporating higher education, local education and local government employees in the system must be addressed after conducting additional research with the ERP vendors. |
| Tennessee Online Purchasing System (TOPS)              | ✓                |   |
| Tennessee Retirement Accounting Control System (TRACS) | ⊘                | Retirement plan administrative functionality is not included in the scope of a new ERP system.  |
| Training Information System                            | ✓                |   |

It is important to note that agencies with programmatic systems would continue to send information to, and receive information from, a statewide ERP system. Examples of these programmatic systems include Children's Services' TN Kids, Board of Probation's TOMIS and the Department of Health's CCSMAC. These programmatic systems are represented in the "AGENCIES" box on the "TO BE" Interface Model.

#### ***"TO BE" INTERFACE MODEL***

The model on the next page provides a visual representation of the State's "To Be" interface environment.

INTERFACE MODEL:  
“TO BE” ERP ENVIRONMENT



## **APPENDIX A – AGENCY IDENTIFIED INTERNAL INTERFACES**

**APPENDIX A - AGENCY IDENTIFIED INTERNAL INTERFACES**

| Interface Number | Visio Reference | Agency                   | Central System       | Inbound/ Outbound (I/O) | Application's Internal Name                | Interface Description  | Data Sent  | Triggering Event   | Frequency   | Technology                      | Type (B/N/R) |
|------------------|-----------------|--------------------------|----------------------|-------------------------|--|--|--|--|---|---------------------------------|--------------|
| 1                | BUDGET          | F & A                    | Budget Status        | I                       | Budget Status                              | STARS  | Calendar Month/Year, Allotment Code, Cost Center Code, General Ledger A/C, Amount, etc.... | Data Loader runs extract from STARS then utilizes XCOM to transfer the file down to network server | Nightly - Nightly batch job creates STARS extract file then each morning production services manually runs the process to XCOM the file to network server | COBOL                           | B            |
| 2                | BUDGET          | F & A Budget             | Claims (Treasury)    | I                       | Loads claims premiums from actuarial study | claims premiums  | Need for information   |  | Annually  | Excel, Access                   | B            |
| 3                | CRIS            | Treasury                 | CRIS/TCRS            | I                       | ARP  | Payroll Check File   | Retiree Outstanding Check Issue F  | CRIS Main & Supplemental Payrolls  | Monthly   | COBOL/IMS                       | B            |
| 4                | Data Capture    | Payroll                  | Labor Distribution   | I                       |  | Labor Distribution Info  | Dollars by Payroll Hour Type by Employee within Allotment Code                             | Payroll Processes  | 2 times each pay period   | COBOL                           | B            |
| 5                | Data Capture    | STARS                    | Labor Distribution   | O                       |  | Labor distribution Info  | Financial code, dollar amounts, Object Codes   | STARS Processes  | 2 times each pay period   | COBOL                           | B            |
| 6                | Multitrack      | F & A Budget             | OIR Resource Billing | I                       | Loads OIR rate changes                     | OIR rate changes   | Need for information   | On Demand  | Excel, Access   |                                 | B            |
| 7                | AGENCY SYSTEMS  | Agriculture              | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 8                | AGENCY SYSTEMS  | Children Services        | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 9                | AGENCY SYSTEMS  | Commission on Aging      | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 10               | AGENCY SYSTEMS  | Commission on Youth      | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 11               | AGENCY SYSTEMS  | DATA CAPTURE             | Payroll              | I                       |  | Time & Attendance information  | SSN, Hours Information   |  | 2 times each pay period   | COBOL                           |              |
| 12               | AGENCY SYSTEMS  | Education                | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 13               | AGENCY SYSTEMS  | Environment & Conservati | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 14               | AGENCY SYSTEMS  | General Services         | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 15               | AGENCY SYSTEMS  | Military                 | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 16               | AGENCY SYSTEMS  | PERSONNEL                | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 17               | Payroll/SEIS    | PERSONNEL                | Payroll              | I                       |  | Supplemental Payment diskettes   | SSN, Pay Amount  | Receipt of Data from Personnel   | On Demand   |                                 |              |
| 18               | AGENCY SYSTEMS  | Revenue                  | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 19               | AGENCY SYSTEMS  | State Courts             | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 20               | AGENCY SYSTEMS  | TENN CARE                | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 21               | AGENCY SYSTEMS  | THDA                     | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 22               | AGENCY SYSTEMS  | Transportation           | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 23               | AGENCY SYSTEMS  | TREASURY                 | Payroll              | O                       |  | Check Information  | Check #, SSN, Amount   | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 24               | AGENCY SYSTEMS  | TREASURY                 | Payroll              | O                       |  | Employee Pay Information   | SSN, Department/Div, Gross Pay, Net Pay, All Deductions                                    | Execution of Payroll Pay processes   | 2 times each pay period   | COBOL                           |              |
| 25               | AGENCY SYSTEMS  | Children's Services      | SEIS                 | O                       | RMS  | Interface supplies application with new and terminated employees   | Current employee information   |  | Weekly  | FoxPro and Excel                | B            |
| 26               | AGENCY SYSTEMS  | Children's Services      | SEIS                 | O                       | TN KIDS                                    | Interface supplies application with new and terminated employees as well as changes in position numbers and job class    | Current employee information   |  | One-Time  | PowerBuilder                    | B            |
| 27               | AGENCY SYSTEMS  | Children's Services      | SEIS                 | O                       | Training                                   | Interface will supply application with information on state-offered training   | Training and CEU information by employee   | Training event   | As Needed   | Oracle                          | B            |
| 28               | AGENCY SYSTEMS  | Children's Services      | SEIS                 | O                       | Training                                   | Interface will supply application with new and terminated employees as well as changes in position numbers and job class | Current employee information   |  | Weekly  | Oracle                          | B            |
| 29               | TIS             | F & A                    | SEIS                 | I                       | Personnel                                  | Employees Demographic information is submitted to TIS (Insurance System) to establish what the employee is eligible for  | Employee Eligibility Transactions  | Employee addition, change or termination   | Nightly   | Cobol                           | B            |
| 30               | IMAGING         | Personnel                | SEIS                 | I                       | Imaging                                    | upload employment application data   | employment application   | manual, X-COM  | daily   | Key Entry 3 (data entry), X-COM | B            |

**APPENDIX A - AGENCY IDENTIFIED INTERNAL INTERFACES**

| Interface Number | Visio Reference | Agency                      | Central System | Inbound/ Outbound (I/O) | Application's Internal Name | Interface Description   | Data Sent   | Triggering Event                                      | Frequency                  | Technology                        | Type (B/N/R) |
|------------------|-----------------|-----------------------------|----------------|-------------------------|-----------------------------|---|---|---|----------------------------|-----------------------------------|--------------|
| 31               | TEAMS           | Personnel                   | SEIS           | I                       | TEAMS                       | upload employment application data  | employment application  | manual, X-COM   | daily                      | PowerBuilder ,X-COM               | B            |
| 32               | TESTING         | Personnel                   | SEIS           | I                       | Testing                     | uploads test results  | responses to test questions   | manual, X-COM   | daily                      | Visual Basic, PowerBuilder ,X-COM | B            |
| 33               | Not represented | Transportation              | SEIS           | O                       | TDOT STARS                  | create file   | payroll amounts   | payroll   | bi monthly                 |                                   | B            |
| 34               | AGENCY SYSTEMS  | Treasury                    | SEIS           | O                       | HRIS                        | Treasury Employee Records   | Treasury Employee Record Data   | Monthly Demand  | Monthly                    | COBOL/IMS                         | B            |
| 35               | AGENCY SYSTEMS  | Children's Services         | SEIS/Payroll   | O                       | Remedy                      | Interface provides information on active employees  | Current employee information  | Payroll   | Twice a Month              | FoxPro and Excel                  | B            |
| 36               | AGENCY SYSTEMS  | Health                      | SEIS/Payroll   | O                       | PAYDISK                     | PAYROLL HISTORY   | 1500 BYTPE PAYROLL REGISTER   | PAY PERIOD  | BI MONTHLY                 | JCL                               | R            |
| 37               | AGENCY SYSTEMS  | Transportation              | SEIS/Payroll   | I                       | Timesheets                  | create file   | work hours  | payroll   | bi monthly                 |                                   | B            |
| 38               | Deferred Comp   | Treasury                    | SEIS/Payroll   | O                       | Deferred Comp               | Deferred Comp Deduction   | Employee Payroll Deductions for D   | Payroll   | Semi-Monthly               | COBOL/IMS                         | B            |
| 39               | AGENCY SYSTEMS  | Accounts                    | STARS          | O                       |                             | IT File Download  | Output File   | AG05B528<br>AG.AG05B598                               | Daily                      | COBOL                             | N            |
| 40               | AGENCY SYSTEMS  | AOC                         | STARS          | I                       | Indigent Defense System     | Transfers payment data to STARS   | Attorney Claim Payment Data   | Internal Final Approval of Claim Payment              | On Demand, generally daily | COBOL                             | B            |
| 41               | AGENCY SYSTEMS  | AOC                         | STARS          | I                       | Court Reporter Tracking     | Transfers payment data to STARS   | Court Report Claim Payment information  | Internal Final Approval of Claim Payment              | On Demand, generally daily |                                   | B            |
| 42               | AGENCY SYSTEMS  | BOP                         | STARS          | I                       | TOMIS                       | Offender Fees Payment   | Offender Coupons/Payment  | Fee Payment   | Nightly                    | Cobol/CICS                        | B            |
| 43               | AGENCY SYSTEMS  | BOP                         | STARS          | O                       | TOMIS                       | Offender Fee Credit   | Offender/payment amount   | Coupon Processed                                      | Nightly                    | Cobol/CICS                        | B            |
| 44               | AGENCY SYSTEMS  | Children's Services         | STARS          | I                       | Oracle E-Business           | Financial transactions of the department including but not limited to disbursements, deposits, journal vouchers, journal entries, contract transactions, and grant transactions | Data that identifies and allows financial transactions to be processed                    | Occurrence of financial transaction                   | As needed                  | Oracle                            | B            |
| 45               | AGENCY SYSTEMS  | Children's Services         | STARS          | I                       | Oracle E-Business           | Confirmation of whether vendor transactions are IRS reportable  | Vendor information with indicator   | Disbursement to or receipt of funds from STARS vendor | As needed                  | Oracle                            | B            |
| 46               | AGENCY SYSTEMS  | Children's Services         | STARS          | I                       | Oracle E-Business           | Department's proposed budget  | Historical and analytical data by cost center and object                                  |   | Annually                   |                                   | B            |
| 47               | AGENCY SYSTEMS  | Children's Services         | STARS          | I                       | Cost Allocation             | Send adjustments to expenditures for grants to STARS  | Journal voucher transactions to adjust expenditures from state sources to federal sources | Quarterly closure                                     | Quarterly                  | FoxPro                            | B            |
| 48               | AGENCY SYSTEMS  | Children's Services         | STARS          | O                       | Oracle E-Business           | STARS provides budget amounts as approved by legislature and allotted by F&A Budget   | High-level allotment code, division and object code budget amounts                        | F&A Budget allotment                                  | Annually                   | Oracle                            | B            |
| 49               | AGENCY SYSTEMS  | Children's Services         | STARS          | O                       | Oracle E-Business           | STARS provides information on vendors approved to do business with the state  | Vendor information  |   | As-Needed                  | Oracle                            | B            |
| 50               | AGENCY SYSTEMS  | Children's Services         | STARS          | O                       | Oracle E-Business           | STARS provides information confirming codes and paid transactions   | Confirmation of transactions  | Paid transactions                                     |                            | Oracle                            | B            |
| 51               | AGENCY SYSTEMS  | Children's Services         | STARS          | O                       | Oracle E-Business           | Report of IRS reportable and non-reportable disbursements and receipts  | Vendor information  |   | As needed annually         |                                   | B            |
| 52               | AGENCY SYSTEMS  | Children's Services         | STARS          | O                       | Cost Allocation             | STARS provides expenditure and revenue data to be allocated   | Cost and revenue data   | Quarterly closure                                     | Quarterly                  | FoxPro                            | B            |
| 53               | AGENCY SYSTEMS  | Children's Services         | STARS          | O                       |                             | History File Extract  | Output (File)   | RAG05HYA AG.AG05B359.XXX99                            | Daily                      | COBOL                             | N            |
| 54               | AGENCY SYSTEMS  | Claims & Compensation       | STARS          | O                       |                             | History File Extract  | Output (File)   | RAG05HYA AG.AG05B313.XXX99                            | Daily                      | COBOL                             | N            |
| 55               | AGENCY SYSTEMS  | Claims & Compensation       | STARS          | O                       |                             | History File Extract  | Output (File)   | RAG05EXT AG.AG05D313.WEXT                             | Daily                      | COBOL                             | N            |
| 56               | AGENCY SYSTEMS  | Comptroller of the Treasury | STARS          | I                       | TRP                         | Creates Vouchers  | Vouchers  | Execution of batch mainframe program                  | weekly                     | Cobol                             | B            |
| 57               | AGENCY SYSTEMS  | Comptroller of the Treasury | STARS          | O                       | Public Health Loans         | Captures Journal entries  | Journal entries   | Execution of batch mainframe program                  | monthly                    | Cobol                             | B            |
| 58               | AGENCY SYSTEMS  | D.O.T.                      | STARS          | O                       |                             | History File Extract  | Output (File)   | RAG05HYA AG.AG05BDOT.XXX99                            | Daily                      | COBOL                             | N            |
| 59               | AGENCY SYSTEMS  | DOT                         | STARS          | O                       |                             | Download Daily History  | File  | AG05BAGD JJ.JJ005.D48FFA                              | Daily                      | COBOL                             | N            |
| 60               | AGENCY SYSTEMS  | Economic & Community Dev.   | STARS          | O                       |                             | History File Extract  | Output (File)   | RAG05HYA AG.AG05B330.XXX99                            | Daily                      | COBOL                             | N            |
| 61               | AGENCY SYSTEMS  | Education                   | STARS          | I                       |                             | Data Capture  | Daily Transactions  | AG05BAGD AG.AG05BBED                                  | Daily                      | COBOL                             | N            |
| 62               | AGENCY SYSTEMS  | Education                   | STARS          | O                       |                             | Download Daily History  | File  | AG05BAGD CA.CA01FHST.STARS.CART                       | Daily                      | COBOL                             | N            |
| 63               | AGENCY SYSTEMS  | Education                   | STARS          | O                       |                             | History File Extract  | Output (File)   | RAG05HYA AG.AG05B331.XXX99                            | Daily                      | COBOL                             | N            |
| 64               | AGENCY SYSTEMS  | Education                   | STARS          | O                       |                             | History File Extract  | Output (File)   | RAG05EXT AG.AG05D331.WEXT                             | Daily                      | COBOL                             | N            |
| 65               | AGENCY SYSTEMS  | Employment Security         | STARS          | O                       |                             | History File Extract  | Output (File)   | RAG05HYA AG.AG05B333.XXX99                            | Daily                      | COBOL                             | N            |
| 66               | AGENCY SYSTEMS  | Env. & Conservation         | STARS          | O                       |                             | Document File Extract   | Output (File)   | RAG05DFA AG.AG05BDFX.DEPT327                          | Daily                      | COBOL                             | N            |

**APPENDIX A - AGENCY IDENTIFIED INTERNAL INTERFACES**

| Interface Number | Visio Reference | Agency                     | Central System | Inbound/ Outbound (I/O) | Application's Internal Name | Interface Description  | Data Sent   | Triggering Event                                   | Frequency   | Technology | Type (B/N/R) |
|------------------|-----------------|----------------------------|----------------|-------------------------|-----------------------------|--|---|--|-------------|------------|--------------|
| 67               | AGENCY SYSTEMS  | Env. & Conservation        | STARS          | O                       |                             | Operating File Extract   | Output (File)   | RAG05OFA<br>AG.AG05BOFX.DEPT327                    | Daily       | COBOL      | N            |
| 68               | AGENCY SYSTEMS  | Env. & Conservation        | STARS          | O                       |                             | History File Extract   | Output (File)   | RAG05HYA AG.AG05B327.XXX99                         | Daily       | COBOL      | N            |
| 69               | AGENCY SYSTEMS  | Env. & Conservation        | STARS          | O                       |                             | History File Extract   | Output (File)   | RAG05EXT AG.AG05D327.WEXT                          | Daily       | COBOL      | N            |
| 70               | AGENCY SYSTEMS  | Environment & Conservation | STARS          | I                       |                             | Data Capture   | Daily Transactions  | AG05B201 AG.AG05BBCS                               | Daily       | COBOL      | N            |
| 71               | AGENCY SYSTEMS  | F & A                      | STARS          | I                       | SEAS                        | Manually append .txt file of utility bills to be paid to another file that Gen. Serv. uses to update STARS | Vendor and billing information                                  | Manually triggered in Gen Serv to create .txt file | on demand   | .txt file  | B            |
| 72               | AGENCY SYSTEMS  | F & A                      | STARS          | I                       |                             | Data Capture   | Daily Transactions  | AG05B201 AG.AG05BFA3                               | Daily       | COBOL      | N            |
| 73               | AGENCY SYSTEMS  | F & A                      | STARS          | O                       | ATSP                        | sends contract and vendor information to ATSP  | Contract numbers and vendor number, name, address information   | as scheduled                                       | weekly      |            | B            |
| 74               | AGENCY SYSTEMS  | F & A                      | STARS          | O                       |                             | Document File Extract  | Output (File)   | RAG05DFA AG.AG05BDFX.DEPT317                       | Daily       | COBOL      | N            |
| 75               | AGENCY SYSTEMS  | F & A                      | STARS          | O                       |                             | History File Extract   | Output (File)   | RAG05HYA AG.AG05B317.XXX99                         | Daily       | COBOL      | N            |
| 76               | AGENCY SYSTEMS  | F & A/TennCare             | STARS          | O                       |                             | Cost Center Table Extract  | Output (File)   | RAG05CCF<br>PF.AG04BCCX.DP317318                   | Daily       | COBOL      | N            |
| 77               | AGENCY SYSTEMS  | General Services           | STARS          | I                       |                             | Data Capture   | Daily Transactions  | AG05B201 AG.AG05BGS1                               | Daily       | COBOL      | N            |
| 78               | AGENCY SYSTEMS  | General Services           | STARS          | O                       |                             | History File Extract   | Output (File)   |  | Daily       | COBOL      | N            |
| 79               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | CCSMAC                      | CSS PAYMENTS   | DV REGISTER   | MANUAL FRI.  | WEEKLY      | SAS/JCL    | R            |
| 80               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | VREFUND                     | VITAL RECORDS REFUNDS  | DV REGISTER   | MANUAL   | MONTHLY     | SAS/JCL    | R            |
| 81               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | RENALDV                     | RENAL PROGRAM PAYMENTS   | DV REGISTER   | MANUAL FRI.  | WEEKLY      | SAS/JCL    | R            |
| 82               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | REGCD                       | REGIONAL CD RECORDS  | CD RECORDS  | 8:50 AM  | DAILY       | SAS/JCL    | R            |
| 83               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | DRAWDOWN                    | GRANT DRAW RECORDS   | Z TYPE JV   | MANUAL   | DAILY       | SAS/JCL    | R            |
| 84               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | PAYDIST                     | REG LABOR DIST   | H TYPE JV   | MANUAL   | MONTHLY     | SAS/JCL    | R            |
| 85               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | LADS                        | LADS PAYROLL DIST  | H TYPE JV   | MANUAL   | MONTHLY     | SAS/JCL    | R            |
| 86               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | LADA                        | LADS ADMIN DIST  | H TYPE JV   | MANUAL   | MONTHLY     | SAS/JCL    | R            |
| 87               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | GENERIC.JV                  | VARIOUS JV RECORDS   | ANY TYPE JV   | MANUAL   | VARIABLE    | SAS/JCL    | R            |
| 88               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | BUDUP                       | BUDGET JV RECORDS  | S AND K TYPE JV   | MANUAL   | YEARLY      | SAS/JCL    | R            |
| 89               | AGENCY SYSTEMS  | Health                     | STARS          | I                       | AANDDDV                     | ALCOHOL AND DRUG PAYMENT RECORDS   | DV REGISTER   | MANUAL   | 9 / MONTHLY | SAS/JCL    | R            |
| 90               | AGENCY SYSTEMS  | Health                     | STARS          | O                       | STRDISK                     | HISTORY DATA   | FINACIAL INFORMATION  | MANUAL   | MONTHLY     | JCL        | R            |
| 91               | AGENCY SYSTEMS  | Health                     | STARS          | O                       | STRDISK                     | HISTORY DATA   | FINACIAL INFORMATION  | 9:00 AM  | DAILY       | SAS/JCL    | R            |
| 92               | AGENCY SYSTEMS  | Health                     | STARS          | O                       | BUDOWN                      | EXP/FUND RECORDS   | EXP/REV RECORDS   | MANUAL   | YEARLY      | SAS/JCL    | R            |
| 93               | AGENCY SYSTEMS  | Health                     | STARS          | O                       |                             | Download Daily History   | File  | AG05BAGD<br>PF.AG05B343.DEXT                       | Daily       | COBOL      | N            |
| 94               | AGENCY SYSTEMS  | Health                     | STARS          | O                       |                             | Document File Extract  | Output (File)   | RAG05DFA AG.AG05BDFX.DEPT343                       | Daily       | COBOL      | N            |
| 95               | AGENCY SYSTEMS  | Health                     | STARS          | O                       |                             | Operating File Extract   | Output (File)   | RAG05OFA<br>AG.AG06BOFX.DEPT343                    | Daily       | COBOL      | N            |
| 96               | AGENCY SYSTEMS  | Health                     | STARS          | O                       |                             | History File Extract   | Output (File)   | RAG05HYA AG.AG05B343.XXX99                         | Daily       | COBOL      | N            |
| 97               | AGENCY SYSTEMS  | Human Services             | STARS          | I                       | Case Expert                 | Sends info regarding vendor and payment data   | Vendor information (adds, updates and deletions), payment data. | Generated and sent as scheduled.                   | Nightly     | COBOL      | B            |
| 98               | AGENCY SYSTEMS  | Human Services             | STARS          | I                       | Child Care Food Program     | Payment data   | Payment data  | Generated and sent as scheduled.                   | Nightly     | COBOL      | B            |
| 99               | AGENCY SYSTEMS  | Human Services             | STARS          | I                       | TRACTS                      | Payment data   | Payment data  | Generated and sent as scheduled.                   | Nightly     | COBOL      | B            |
| 100              | AGENCY SYSTEMS  | Human Services             | STARS          | I                       | TCCMS                       | Payment data   | Payment data  | Generated and sent as scheduled.                   | Nightly     | COBOL      | B            |
| 101              | AGENCY SYSTEMS  | Human Services             | STARS          | I                       | CMATS                       | Payment data   | Payment data  | Generated and sent as scheduled.                   | Nightly     | Oracle     | B            |
| 102              | AGENCY SYSTEMS  | Human Services             | STARS          | O                       | Case Expert                 | Sends info regarding vendor and payment data   | Vendor information (adds, updates and deletions), payment data. | Generated and sent as scheduled.                   | Nightly     | COBOL      | B            |
| 103              | AGENCY SYSTEMS  | Human Services             | STARS          | O                       | TRACTS                      | Vendor Information   | Vendor Information  | Generated and sent as scheduled.                   | Nightly     | COBOL      | B            |
| 104              | AGENCY SYSTEMS  | Human Services             | STARS          | O                       | CMATS                       | Vendor Information   | Vendor Information  | Generated and sent as scheduled.                   | Nightly     | Oracle     | B            |
| 105              | AGENCY SYSTEMS  | Human Services             | STARS          | O                       |                             | Download Daily History   | File  | AG05BAGD<br>PF.AG05B345.DEXT                       | Daily       | COBOL      | N            |
| 106              | AGENCY SYSTEMS  | Human Services             | STARS          | O                       |                             | Cost Center Table Extract  | Output (File)   | RAG05CCX AI.AI02F345                               | Daily       | COBOL      | N            |
| 107              | AGENCY SYSTEMS  | Human Services             | STARS          | O                       |                             | History File Extract   | Output (File)   | RAG05HYA AG.AG05B345.XXX99                         | Daily       | COBOL      | N            |
| 108              | AGENCY SYSTEMS  | Indigent Defense Council   | STARS          | I                       |                             | Data Capture   | Daily Transactions  | AG05B201 AG.AG05BBID                               | Daily       | COBOL      | N            |
| 109              | AGENCY SYSTEMS  | Insurance                  | STARS          | I                       |                             | Data Capture   | Daily Transactions  | AG05B201 AG.AG05BFA1                               | Daily       | COBOL      | N            |
| 110              | AGENCY SYSTEMS  | Labor                      | STARS          | I                       |                             | Data Capture   | Daily Transactions  | AG05B201 AG.AG05BLA1                               | Daily       | COBOL      | N            |
| 111              | AGENCY SYSTEMS  | Labor                      | STARS          | O                       |                             | History File Extract   | Output (File)   | RAG05HYA AG.AG05B337.XXX99                         | Daily       | COBOL      | N            |
| 112              | AGENCY SYSTEMS  | Mental Health              | STARS          | I                       |                             | Data Capture   | Daily Transactions  | AG05B201 AG.AG05BMH1                               | Daily       | COBOL      | N            |



**APPENDIX A - AGENCY IDENTIFIED INTERNAL INTERFACES**

| Interface Number | Visio Reference | Agency                               | Central System | Inbound/ Outbound (I/O) | Application's Internal Name    | Interface Description   | Data Sent   | Triggering Event                 | Frequency         | Technology   | Type (B/N/R) |
|------------------|-----------------|--------------------------------------|----------------|-------------------------|--------------------------------|---|---|----------------------------------|-------------------|--------------|--------------|
| 113              | AGENCY SYSTEMS  | Mental Health                        | STARS          | I                       |                                | Data Capture  | Daily Transactions  | AG05B201 AG.AG05BMH2             | Daily             | COBOL        | N            |
| 114              | AGENCY SYSTEMS  | Mental Health                        | STARS          | O                       |                                | Download Daily History  | File  | AG05BAGD<br>PF.AG05D339.DEXT     | Daily             | COBOL        | N            |
| 115              | AGENCY SYSTEMS  | Mental Health                        | STARS          | O                       |                                | History File Extract  | Output (File)   | RAG05HYA AG.AG05B339.XXX99       | Daily             | COBOL        | N            |
| 116              | AGENCY SYSTEMS  | Mental Health and Mental Retardation | STARS          | O                       |                                | Document File Extract   | Output (File)   | RAG05DFA AG.AG05BDFX.DEPT339     | Daily             | COBOL        | N            |
| 117              | AGENCY SYSTEMS  | Military                             | STARS          | O                       |                                | Cost Center Table Extract   | Output (File)   | RAG05CCX PF.AG05D341             | Daily             | COBOL        | N            |
| 118              | AGENCY SYSTEMS  | Military                             | STARS          | O                       |                                | History File Extract  | Output (File)   | RAG05EXT AG.AG05D341.WEXT        | Daily             | COBOL        | N            |
| 119              | AGENCY SYSTEMS  | Nursing Homes                        | STARS          | I                       |                                | VE Table Load   | Vendor Edit Transactions  | AG05B581<br>AG.AG05BNH1          | Daily             | COBOL        | N            |
| 120              | AGENCY SYSTEMS  | OBH                                  | STARS          | O                       |                                | Accounts Receivable Balances by Account   | Output (Report)   | RAG36ACR AG036002                | Daily             | COBOL        | N            |
| 121              | AGENCY SYSTEMS  | Personnel                            | STARS          | I                       |                                | Data Capture  | Daily Transactions  | AG05B201 AG.AG05BBPL             | Daily             | COBOL        | N            |
| 122              | AGENCY SYSTEMS  | Revenue                              | STARS          | I                       | Hall Income Portal Application | Sends portal transaction data for (billing) reconciliation of NIC/F&A/ Revenue.     | Portal number, date, invoice number, time.  | End of Month                     | Monthly           | Easytrieve   | B            |
| 123              | AGENCY SYSTEMS  | Revenue                              | STARS          | I                       | Lockbox                        | Sends information regarding lockbox billing to STARS.                               | Department, division, STARS code, cost center, transaction count, amount billed for the month             | End of Month                     | Monthly           | SAS          | B            |
| 124              | AGENCY SYSTEMS  | Revenue                              | STARS          | I                       | RITS                           | Sends information regarding refunds and certificates of deposit to STARS.           | STARS Transaction Interface file and STARS Vendor file.   | RITS nightly batch schedule.     | Nightly           | COBOL        | B            |
| 125              | AGENCY SYSTEMS  | Revenue                              | STARS          | I                       |                                | Vendor Data Capture   | Nightly Transactions  | AG05BVEL AG.AG05BDR1             | Daily             | COBOL        | N            |
| 126              | AGENCY SYSTEMS  | Revenue                              | STARS          | I                       |                                | VE Table Load   | Vendor Edit Transactions  | AG05B581<br>AG.AG05BREV          | Daily             | COBOL        | N            |
| 127              | AGENCY SYSTEMS  | Safety                               | STARS          | I                       |                                | Data Capture  | Daily Transactions  | AG05B201 AG.AG05BDS1             | Daily             | COBOL        | N            |
| 128              | AGENCY SYSTEMS  | TennCare                             | STARS          | I                       |                                | Data Capture  | Daily Transactions  | AG05B201 SHR.AG05BDH1            | Daily             | COBOL        | N            |
| 129              | AGENCY SYSTEMS  | TennCare                             | STARS          | I                       |                                | VE Table Load   | Vendor Edit Transactions  | AG05B581<br>SHR.AG05BNH1         | Daily             | COBOL        | N            |
| 130              | AGENCY SYSTEMS  | TennCare                             | STARS          | O                       |                                | History File Extract  | Output (File)   | RAG05HYA AG.AG05B318.XXX99       | Daily             | COBOL        | N            |
| 131              | AGENCY SYSTEMS  | THDA                                 | STARS          | I                       | Section 8 Tenant               | Uploads Section 8 Payment transactions to STARS                                     | Vendor nos., payment dates, S/8 HAP Payments  | Generated & Sent by Staff        | 2-3 Times Monthly | RPG-AS/400   | B            |
| 132              | AGENCY SYSTEMS  | Transportation                       | STARS          | I                       | TDOT STARS                     | create file   | all types - financial   | nightly program                  | nightly           |              | B            |
| 133              | AGENCY SYSTEMS  | Transportation                       | STARS          | O                       | TDOT STARS                     | create file   | all types - financial   | nightly program                  | nightly           |              | B            |
| 134              | AGENCY SYSTEMS  | Transportation                       | STARS          | O                       | TDOT STARS                     | create file   | vendor table data   | nightly program                  | nightly           |              | B            |
| 135              | AGENCY SYSTEMS  | Treasury                             | STARS          | I                       | CIS/DOCS                       | Claim Payment Disbursement transactions   | Claims Payment request  | Claim Payment request approved   | Weekly            | Clipper/FTP  | B            |
| 136              | AGENCY SYSTEMS  | Treasury                             | STARS          | I                       | Wagers UCP                     | Unclaimed Property Payment Disbursement   | UCP Payment Request   | UCP Payment Request approved     | Weekly            | ORACLE/FTP   | B            |
| 137              | AGENCY SYSTEMS  | Treasury                             | STARS          | I                       | TRACS                          | Member Retirement Refund  | Member Retirement Refund Payment  | Approved Refund                  | Daily             | COBOL/IMS    | B            |
| 138              | AGENCY SYSTEMS  | Treasury                             | STARS          | I                       | ACME                           | Accounting transaction for Securities settlement                                    | Accounting Transactions   | Settlement of Securities         | Daily             | PowerBuilder | B            |
| 139              | AGENCY SYSTEMS  | Treasury                             | STARS          | I                       | Flex System                    | Flex Payment  | Request for Flex Payment  | Approval of Flex Claim           | Daily             | COBOL/VSA    | B            |
| 140              | AGENCY SYSTEMS  | Treasury                             | STARS          | I                       | BEST System                    | Payment Request   | BEST Payment Request  | Approval of BEST payment request | Weekly            | PowerBuilder | B            |
| 141              | AGENCY SYSTEMS  | Treasury                             | STARS          | I                       |                                | Data Capture  | Daily Transactions  | AG05B201 AG.AG05BDT1             | Daily             | COBOL        | N            |
| 142              | AGENCY SYSTEMS  | Treasury                             | STARS          | I                       |                                | Outstanding Warrants  | Warrant Transactions  | AG05B5851 II.II71BWST            | Daily             | COBOL        | N            |
| 143              | AGENCY SYSTEMS  | Treasury                             | STARS          | O                       | CIS/DOCS                       | Warrant Issue   | Warrant issued for Payment  | Warrant issued by Stars          | Weekly            | FTP/Clipper  | B            |
| 144              | AGENCY SYSTEMS  | Treasury                             | STARS          | O                       | Wagers UCP                     | Warrant Issue   | Warrant issued for UCP Payment  | Warrant issued by Stars          | Weekly            | FTP/ORACLE   | B            |
| 145              | AGENCY SYSTEMS  | Treasury                             | STARS          | O                       |                                | Copy ARP file to GDG  | File  | RAG05ARP II.II71B03G             | Daily             | COBOL        | N            |
| 146              | AGENCY SYSTEMS  | Treasury                             | STARS          | O                       |                                | History File Extract  | Output (File)   | RAG05HYA AG.AG05B309.XXX99       | Daily             | COBOL        | N            |
| 147              | AGENCY SYSTEMS  | Treasury                             | STARS          | O                       |                                | Update Vendor Payment database with redeemed warrant information (Program AG05B589) | Input (File)  | AG.AG05BRCN.XXX9999              | Daily             | COBOL        | N            |
| 148              | AGENCY SYSTEMS  | TRICOR                               | STARS          | I                       | Revenue                        | Send information regarding State agency purchases from TRICOR (I-types)             | Allot. Codes, cost centers, dates, amounts, transaction description                                       | Generated and sent as scheduled  | Monthly           | Unknown      |              |
| 149              | AGENCY SYSTEMS  | TRICOR                               | STARS          | O                       | Payables                       | Receive expenditure information from STARS  | Objects, batch type, date, dept. dive, batch number, seq no, current doc no, TC, FFY, Cost center, amount | Generated and sent as scheduled  | Monthly           | Unknown      |              |
| 150              | AGENCY SYSTEMS  | TSAC                                 | STARS          | I                       |                                | Data Capture  | Daily Transactions  | AG05B201 AG.AG05BTS1             | Daily             | COBOL        | N            |
| 151              | AGENCY SYSTEMS  | TSAC                                 | STARS          | I                       |                                | Data Capture  | Daily Transactions  | AG05B201<br>AG.AG05BTS2          | Daily             | COBOL        | N            |
| 152              | AGENCY SYSTEMS  | Wildlife Resources                   | STARS          | I                       |                                | Data Capture  | Daily Transactions  | AG05B201 AG.AG05BWR1             | Daily             | COBOL        | N            |
| 153              | AGENCY SYSTEMS  | Wildlife Resources                   | STARS          | O                       |                                | History File Extract  | Output (File)   | RAG05HYA AG.AG05B328.XXX99       | Daily             | COBOL        | N            |
| 154              | CRIS            | Insurance                            | TIS            | O                       |                                | Retirement information  | Retirement information  |                                  | MONTHLY           | COBOL/IMS    | B            |
| 155              | AGENCY SYSTEMS  | Mental Health                        | Payroll        | O                       |                                | Positions and Employees for Department  | Positions and Employees for Department  |                                  | Semi Monthly      | COBOL        | B            |

**APPENDIX A - AGENCY IDENTIFIED INTERNAL INTERFACES**

| Interface Number | Visio Reference | Agency              | Central System | Inbound/<br>Outbound<br>(I/O) | Application's<br>Internal Name | Interface<br>Description   | Data Sent                              | Triggering<br>Event | Frequency           | Technology | Type<br>(B/N/R) |
|------------------|-----------------|---------------------|----------------|-------------------------------|--------------------------------|--|--|---------------------|---------------------|------------|-----------------|
| 156              | AGENCY SYSTEMS  | Human Services      | Payroll        | O                             |                                | Positions and Employees for Department   | Positions and Employees for Department |                     | Semi Monthly        | COBOL      | B               |
| 157              | AGENCY SYSTEMS  | Safety              | Payroll        | O                             |                                | Positions and Employees for Department   | Positions and Employees for Department |                     | Monthly             | COBOL      | B               |
| 158              | AGENCY SYSTEMS  | Labor and Workforce | Payroll        | O                             |                                | Positions and Employees for Department   | Positions and Employees for Department |                     | Monthly             | COBOL      | B               |
| 159              | AGENCY SYSTEMS  | F&A OIR             | Payroll        | O                             |                                | All active employees in state government so that security systems can be updated | Employee info                          |                     | Semi Monthly        | COBOL      | B               |
| 160              | Not represented | Treasury            | Payroll        | O                             |                                | Phone information for all state employees  | Employee work phone number and address |                     | Weekly or Bi-weekly | COBOL      | B               |

## **APPENDIX B – AGENCY IDENTIFIED EXTERNAL INTERFACES**

## Appendix B - Agency Identified External Interfaces

| Interface Number | Non-State (external) Entity                      | Inbound/ Outbound <sup>2</sup> (I/O) | State Application's Internal Name <sup>3</sup> | Interface Description <sup>4</sup>  | Data Sent <sup>5</sup>                      | Triggering Event <sup>6</sup>                  | Frequency <sup>7</sup>  | Technology <sup>8</sup> | Type <sup>9</sup> (B/N/R) |
|------------------|--|--------------------------------------|--|---|---|--|-------------------------|-------------------------|---------------------------|
| 1                | Corrections                                      |                                      | TOPS   | E-Procurement   | Procurement Data                            | Jacada   | On Demand               | XHTML                   | R                         |
| 2                | FHWA   | O                                    | TSTARS   | billing   | projects, cost & revenue                    | program  | weekly                  |                         | B                         |
| 3                | FHWA   | O                                    | TSTARS   | accounting  | project data, financial trans               | program  |                         |                         | B                         |
| 4                | FHWA   | O                                    | TSTARS   | bid   | bid information                             | bids are due                                   | as need                 | COBOL                   | B                         |
| 5                | FHWA   | I                                    | TSTARS   | fuel purchases  | accounting transaction                      | monthly bill                                   | monthly                 | COBOL                   | B                         |
| 6                | Social Security Administration                   | O                                    | TRP  | Interface with Department of Human Services which interfaces with Social Security | Tax Relief Applicant Social Security #      | Automatically with the Tax Relief Pay Run      | Weekly                  | Mainframe               | B                         |
| 7                | Social Security Administration                   | I                                    | TRP  | Interface with Department of Human Services which interfaces with Social Security | Tax Relief Applicant Social Security #      | Automatically with the Tax Relief Pay Run      | Weekly                  | Mainframe               | B                         |
| 8                | Great West (Deferred Compensation Administrator) | I                                    | Payroll  | Deferred Comp Changes   | 401k, 457b and 401k loan data               | Receipt of the data by Production Services     | Once each Pay Period    | ?                       | B                         |
| 9                | Great West (Deferred Compensation Administrator) | O                                    | Payroll  | Deferred Comp Deductions  | 401k, 457b and 401k loan data               | Execution of Payroll Pay Processes             | 2 times each Pay Period | COBOL                   | B                         |
| 10               | Tennessee State Employee Association (TSEA)      | I                                    | Payroll  | Adds, Changes & Deletes for employee dues   | Dues amounts                                | Receipt of the data by Production Services     | Once each Pay Period    | ?                       | B                         |
| 11               | Tennessee State Employee Association (TSEA)      | O                                    | Payroll  | Detailed Error Report   | SSN, Employee Name, Error msg & Dues amount | Upload of TSEA information into Payroll system | Once each Pay Period    | COBOL                   | B                         |
| 12               | AmSouth Bank                                     | O                                    | Payroll  | Direct Deposit ACH file   | Direct Deposit info                         | Execution of Payroll Pay Processes             | 2 times each Pay Period | COBOL                   | B                         |
| 13               | Credit Unions                                    | O                                    | Payroll  | Credit Union deductions   | SSN, deduction amount                       | Execution of Payroll Cancel/Special process    | Once each Pay Period    | COBOL                   | B                         |
| 14               | Federal Reserve Bank                             | O                                    | Payroll  | Savings Bond info   | SSN, Bond deductions                        | Execution of Payroll Cancel/Special process    | Once each Pay Period    | COBOL                   | B                         |
| 15               | Aetna  | O                                    | TIS  |   | Enrollment Info                             | Transmit Enroll                                | Weekly/QTR              | COBOL                   | B                         |
| 16               | ARP Scan Data                                    | I                                    | TIS  |   | Remittance data                             | Transmit Data                                  | Daily                   | COBOL                   | B                         |
| 17               | Blue Cross                                       | I                                    | TIS  |   | Eligibility Info                            | Transmit Data                                  | Once a QTR              | COBOL                   | B                         |
| 18               | Board of Regions                                 | I                                    | TIS  |   | Eligibility Info                            | Transmit Data                                  | Daily                   | COBOL                   | B                         |
| 19               | CRIS Retirement                                  | I                                    | TIS  |   | Retirement Maint                            | Transmit Data                                  | Daily                   | COBOL                   | B                         |
| 20               | EAP  | O                                    | TIS  |   | Enrollment Info                             | Transmit Enroll                                | QTR                     | COBOL                   | B                         |
| 21               | Provident Insurance                              | I                                    | TIS  |   | Eligibility Transactions                    | Eligibility Information                        | Monthly                 | Input Cartridge         | B                         |

## Appendix B - Agency Identified External Interfaces

| Interface Number | Non-State (external) Entity                          | Inbound/ Outbound <sup>2</sup> (I/O) | State Applicati on's Internal Name <sup>3</sup> | Interface Description <sup>4</sup> | Data Sent <sup>5</sup>                  | Triggering Event <sup>6</sup>   | Frequency <sup>7</sup> | Technology <sup>8</sup> | Type <sup>9</sup> (B/N/R) |
|------------------|--|--------------------------------------|---|------------------------------------|---|---|------------------------|-------------------------|---------------------------|
| 22               | Provident Insurance                                  | I                                    | TIS   |                                    | Premiums Due Transactions               | Premiums due Information  | Monthly                | Input Cartridge         | B                         |
| 23               | Local Government Agencies & Local Education Agencies | I                                    | TIS   |                                    | Employee Eligibility Transactions       | Employees Demographic information is submitted to TIS (Insurance System) to establish what the employee is eligible for | Nightly                | Unknown                 | B                         |
| 24               | Blue Cross   | O                                    | TIS   |                                    | Provider Change Transactions            | Provider Change Information   | Weekly                 | Electronic Transfer     | R                         |
| 25               | Insurance  | O                                    | TIS   |                                    | John Deere Full Population Transactions | John Deere Full Population File   | Monthly                | Output Cartridge        | R                         |
| 26               | Fort Dearborn  | O                                    | TIS   |                                    | Enrollment Info                         | Transmit Enroll   | Weekly                 | COBOL                   | B                         |
| 27               | GORDIAN  | O                                    | TIS   |                                    | Enrollment Info                         | Transmit Enroll   | Monthly                | COBOL                   | B                         |
| 28               | HealthSource   | O                                    | TIS   |                                    | Enrollment Info                         | Transmit Enroll   | Weekly/QTR             | COBOL                   | B                         |
| 29               | John Deere   | O                                    | TIS   |                                    | Enrollment Info                         | Transmit Enroll   | Weekly /Monthly        | COBOL                   | B                         |
| 30               | Local Government                                     | I                                    | TIS   |                                    | Eligibility Info                        | Transmit Data   | Daily                  | COBOL                   | B                         |
| 31               | MEDSTAT  | O                                    | TIS   |                                    | Enrollment Info                         | Transmit Enroll   | QTR                    | COBOL                   | B                         |
| 32               | NCOA   | O                                    | TIS   |                                    | Name & Address                          | Name & Address  | Yearly                 | COBOL                   | B                         |
| 33               | Protective Dental                                    | O                                    | TIS   |                                    | Enrollment Info                         | Transmit Enroll   | Weekly                 | COBOL                   | B                         |
| 34               | Provident Life                                       | I                                    | TIS   |                                    | Eligibility & Billing                   | Transmit Data   | 10th of each month     | COBOL                   | B                         |
| 35               | SEIS/Personnel                                       | I                                    | TIS   |                                    | Employee Maint                          | Transmit Data   | Daily                  | COBOL                   | B                         |
| 36               | STARS  | O                                    | TIS   |                                    | Accounting Info                         | Transmit Enroll   | Daily/Monthly          | COBOL                   | B                         |
| 37               | TENNCARE   | O                                    | TIS   |                                    | Enrollment Info                         | Transmit Enroll   | Monthly                | COBOL                   | B                         |
| 38               | Treasury   | I                                    | TIS   | CRIS                               | Retiree Insurance Sche                  | Retiree Insurance Schedule  | Daily                  | COBOL/IMS               | R                         |
| 39               | University of TN                                     | I                                    | TIS   |                                    | Eligibility Info                        | Transmit Data   | Daily                  | COBOL                   | B                         |
| 40               | University of TN                                     | O                                    | TIS   |                                    | Enrollment Info                         | Transmit Enroll   | Daily                  | COBOL                   | B                         |